**Mohammed Ahmed**

**VMware Administrator**

**Professional Summary:**

* Dedicated **VMware** **Administrator** with 5 years of experience in automating, deploying, managing and optimizing virtualized environments.
* Proficient in deploying, configuring and managing vSphere **ESXi** **hosts**, **vCenter** **Servers**, **Cluster** features HA, DRS, vSAN, **VMware** **tools**, **Storage**, **Networking** and virtual **appliances** vSphere **Replication** (**VR**) and Site Recovery Manager (**SRM**).
* **Installed**, **upgraded** and **migrated** vCenter servers, ensuring **minimal** **downtime** and a smooth transition for virtualized environments.
* Implemented **updates** and **upgrades** for ESXi hosts, keeping the virtual infrastructure up-to-date with the latest features and **security** **patches**.
* Expertise in configuring and managing **vSphere** **features** High Availability (**HA**), Distributed Resource Scheduler (**DRS**), Enhanced vMotion Compatibility (**EVC**) mode, Fault-Tolerance (**FT**) Affinity and Anti-Affinity Rules, Resource Pools/Controls, **vMotion**, **Storage** **vMotion**, Fiber Channel (**FC**) and **iSCSI** **Storage**, VMFS/NFS/vSAN **Datastores**, Standard Switches (**vSS**), Distributed Switches (**vDS**), **Snapshots**, OVF/OVA/Images/**Templates**/Clones and **Content** **Library**.
* Orchestrated the creation of virtual machines using templates and **content** **libraries**, **streamlining** the deployment process.
* Created, managed, and monitored users and groups in Active Directory services and group policies.
* Full understanding of implementing and administering Windows **Active Directory Domain Controller**, **DNS**, **Remote** **desktop and DHCP servers**.
* Adept at **troubleshooting** and **resolving** **complex** **issues**, ensuring seamless performance, and enhancing overall system efficiency.
* **Provide 24\*7 On-call support** for all the **Production** and **Non**-**Production** Outages.
* Demonstrated ability to work well with a wide diversity of people at different levels, maintained proper documentation of all the activities carried out during the project, help the team resolve conflicts constructively and ability and willingness to communicate when help is needed.

**Skills**:

**Virtualization**: vSphere ESXi, vCenter Server.

**Disaster** **Recovery**: vSphere Replication, VMware SRM.

**Operating** **Systems**: Windows, Linux.

**Storage**: VMFS, NFS, NAS, FC, iSCSI, vSAN.

**Network** **Virtualization**: VMware NSX, vSS, vDS.

**Professional Experience:**

**System Engineer | Great American Insurance Group, Cincinnati, OH | Dec 2022 - Present**

* Deployed and configured vSphere **Replication** 8.3.0 appliances at protection and recovery sites
* Deployed and configured VMware **Site** **Recovery** **Manager** 8.3.0 on both sites.
* Paired PROD and DR sites to configure **Network, Folder, Resource mappings** and **Placeholder** Datastore to accommodate a multi-site **bi**-**directional** replication for 2-way shared recovery site protection.
* Created Protection Groups and tested Recovery Plans to include custom recovery options and priority startup sequences.
* Installed **Management** **Server** in **enhanced** **link** **mode** to enable centralized management of multiple hosts.
* Used **vMotion** to eliminate application downtime from planned server maintenance by migrating virtual machines between hosts.
* Administer and **troubleshoot** vCenter Server, ESXi hosts, and virtual machines.
* Managed and maintained **content** **libraries** to ensure efficient storage and deployment of virtual machine templates.
* Worked on **tickets** for role-based access, escalated terminations, user creations and day-to-day storage requests
* Develop and maintain technical **documentation** for virtualization processes, configurations, and best practices.
* Participate in **on**-**call** **support** rotation to **address** **critical** **issues** and ensure system **availability**.

**System Administrator | Fiserv, Alpharetta, GA| Oct 2020 - Nov 2022**

* **Patching** ESXi hosts, VMware tools and hardware **upgrades** using vSphere Update Manager (**VUM**).
* Decent amount of experience in **migrating** production VMs using vMotion and **Storage** **vMotion** to new **data center** with **zero** **downtime**.
* Responsible for creating Clusters with **High** **Availability** and **DRS** with the implementation of the **Affinity** and **Anti**-**affinity** rules on the VMs.
* Collaborated with senior **administrators** to implement and manage backup and recovery solutions.
* Configured storage **LUNs** for **VMFS** and raw device mappings (**RDM’s**).
* Provided support for daily operations, including **troubleshooting** and resolving virtualization-related issues.
* Contributed to the planning and **execution** of system upgrades and migrations.
* Conducted routine **health** **checks** and performance monitoring to ensure system stability.
* Created **Baselines** and **Remediating** the Baselines for the hosts and virtual machine’s hardware using VUM.
* Working on **tickets** as such user access and permissions and any changes that are required by the client servers to the client DB with the help of the App team to resolve the issues.
* Successfully created, managed, and monitored a variety of users, groups and GPOs in **Active** **Directory** services and group policies.
* Maintained **proper** **documentation** of all the activities carried out during the project
* Implemented automation features within the **ServiceNow** platform to expedite the **change** **management** process, reducing manual intervention and enhancing operational efficiency.
* Provided mentorship to junior team members, contributing to skill development and knowledge transfer.

**Linux Administrator | Premier Inc, Charlotte, NC | Jan 2019 - Sep 2020**

* Installation, Administration, Support and Maintenance of Red Hat Enterprise, CentOS on VMs and physical servers.
* Administer and maintain Linux servers, including Cisco routers, Cisco USC, and Dell PowerEdge Servers, ensuring high levels of performance, availability, and security while serving the needs of cross-functional teams.
* Deploy and Configure Red Hat Satellite Server including creating and maintaining any customized kickstart configuration channels to deploy RHEL.
* Installing and updating packages using YUM (custom YUM Servers/repositories), and Red Hat Satellite Server.
* Responsible for Administration, Installation, Upgrading, Migration, Configuration, Troubleshooting, Security, Backup, Disaster Recovery, Performance monitoring and Fine-tuning of UNIX systems on different guest OS levels.
* Configuration, Management, and Troubleshooting of Network devices (Routers, Switches, Firewalls, Servers, DSL Modems.). Maintained the Telecommunication Connectivity using DSL and T1 Lines.
* Extensive use of LVM, creating Volume Groups, Logical volumes, and disk mirroring, Fix the Problem with the partially mirrored Logical volumes.
* Implemented, configured and deployed new patches, upgrades, and bug fixes on both physical and virtual Red Hat Linux servers using satellite server and YUM server.
* Installed and configured several hundred Red Hat Enterprise Linux 6.x/5.x, Windows server 08/12 R2 in both physical Blade and **VMware** **ESXi** 5.x, 4.1.2 Virtual Environment.
* Configured Red Hat Cluster Nodes for legacy applications and verified the daily health check on the Cluster Nodes.
* Installation, configuration and management of Apache and Tomcat servers.
* Supported several Servers in Dev, QA, Staging and Production environments primary support to all kinds of issues for Red Hat 5. x & 6.x Linux and VMware.
* Servers support included NFS, NTP, FTP, user setup/troubleshooting and administering the functionality of the VMs using vCenter.
* Implementing appropriate permissions for files and folders and Managing Users and Groups so that no files other than those permitted are accessible to any other Users/Groups.
* Creation and Maintenance of User Accounts file systems, domain object joining and successfully created login IDs on multiple servers using queries to avoid latency.
* Responsible for TCP/IP, DNS and DHCP administration.
* Monitor Disk space, creating the disks and managing the disks based on the requirements for the production grid environment.
* Installing and upgrading patches and packages on RHEL 5.x, 6.2 and 6.5 servers using RPM, YUM and third-party software applications.
* Installation of Database servers and user management such as Oracle, MYSQL, and SQL Server.

**Education**:

Bachelor’s Degree in Computer Science Engineering, JNTU Hyderabad, India

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Managed and optimized infrastructure services, including DNS, DHCP, and Active Directory integration.